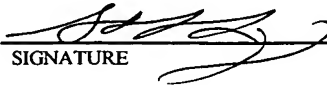


FORM PTO-1390 (REV. 10-2003)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTORNEY'S DOCKET NUMBER <div style="text-align: right; font-weight: bold;">067074-0310832</div>	
TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A FILING UNDER 35 U.S.C. 371				U.S. APPLICATION NO. (If known, see 37 CFR 1.5) <div style="font-size: 1.5em; font-weight: bold;">10/511130</div>	
INTERNATIONAL APPLICATION NO. <div style="text-align: center; font-weight: bold;">PCT/US03/001623</div>		INTERNATIONAL FILING DATE <div style="text-align: center;">15 April 2003 (15.04.03)</div>		PRIORITY DATE CLAIMED <div style="text-align: center;">17 April 2002 (17.04.02)</div>	
TITLE OF INVENTION DNA POLYMERASES					
APPLICANT(S) FOR DO/EO/US CONNOLLY, BERNARD					
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:					
<ol style="list-style-type: none"> 1. <input checked="" type="checkbox"/> This is a FIRST submission of items concerning a filing under 35 U.S.C. 371. 2. <input type="checkbox"/> This is a SECOND or SUBSEQUENT submission of items concerning a filing under 35 U.S.C. 371. 3. <input type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below. 4. <input checked="" type="checkbox"/> The US has been elected (Article 31). 5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2)) <ol style="list-style-type: none"> a. <input checked="" type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau). b. <input type="checkbox"/> has been communicated by the International Bureau. c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US). 6. <input type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)). <ol style="list-style-type: none"> a. <input type="checkbox"/> is attached hereto. b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4). 7. <input type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3)) <ol style="list-style-type: none"> a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau). b. <input type="checkbox"/> have been communicated by the International Bureau. c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired. d. <input type="checkbox"/> have not been made and will not be made. 8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371 (c)(3)). 9. <input type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)). 10. <input type="checkbox"/> An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)). 					
Items 11 to 20 below concern document(s) or information included:					
<ol style="list-style-type: none"> 11. <input type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98. 12. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included. 13. <input checked="" type="checkbox"/> A preliminary amendment. 14. <input checked="" type="checkbox"/> An Application Data Sheet under 37 CFR 1.76. 15. <input type="checkbox"/> A substitute specification. 16. <input type="checkbox"/> A power of attorney and/or change of address letter. 17. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821 - 1.825. 18. <input type="checkbox"/> A second copy of the published international application under 35 U.S.C. 154(d)(4). 19. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4). 20. <input type="checkbox"/> Other items or information: 					

U.S. APPLICATION NO. (if known, use 37 CFR 1.51) 10/511130				INTERNATIONAL APPLICATION NO. PCT/US03/001623		ATTORNEY'S DOCKET NUMBER 067074-0310832																										
21. <input checked="" type="checkbox"/> The following fees are submitted: BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)): Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO. \$1080.00 International preliminary examination fee (37 CFR 1.482) not paid to USPTO but International Search Report prepared by the EPO or JPO \$920.00 International preliminary examination fee (37 CFR 1.482) not paid to USPTO but international search fee (37 CFR 1.445(a)(2)) paid to USPTO \$770.00 International preliminary examination fee (37 CFR 1.482) paid to USPTO but all claims did not satisfy provisions of PCT Article 33(1)-(4) \$730.00 International preliminary examination fee (37 CFR 1.482) paid to USPTO and all claims satisfied provisions of PCT Article 33(1)-(4) \$100.00 ENTER APPROPRIATE BASIC FEE AMOUNT =						CALCULATIONS PTO USE ONLY																										
Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492(e)).						\$ 950.00																										
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%;">CLAIMS</th> <th style="width: 20%;">NUMBER FILED</th> <th style="width: 20%;">NUMBER EXTRA</th> <th style="width: 20%;">RATE</th> <th style="width: 25%;">\$</th> </tr> </thead> <tbody> <tr> <td>Total claims</td> <td>27 - 20 =</td> <td>7</td> <td>x \$18.00</td> <td>\$ 126.00</td> </tr> <tr> <td>Independent claims</td> <td>1 - 3 =</td> <td>0</td> <td>x \$86.00</td> <td>\$ 0.00</td> </tr> <tr> <td colspan="3">MULTIPLE DEPENDENT CLAIM(S) (if applicable)</td> <td>+ \$290.00</td> <td>\$ 0.00</td> </tr> <tr> <td colspan="4" style="text-align: right;">TOTAL OF ABOVE CALCULATIONS =</td> <td>\$ 1,206.00</td> </tr> </tbody> </table>						CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE	\$	Total claims	27 - 20 =	7	x \$18.00	\$ 126.00	Independent claims	1 - 3 =	0	x \$86.00	\$ 0.00	MULTIPLE DEPENDENT CLAIM(S) (if applicable)			+ \$290.00	\$ 0.00	TOTAL OF ABOVE CALCULATIONS =				\$ 1,206.00	\$ 130.00	
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE	\$																												
Total claims	27 - 20 =	7	x \$18.00	\$ 126.00																												
Independent claims	1 - 3 =	0	x \$86.00	\$ 0.00																												
MULTIPLE DEPENDENT CLAIM(S) (if applicable)			+ \$290.00	\$ 0.00																												
TOTAL OF ABOVE CALCULATIONS =				\$ 1,206.00																												
<input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2.						\$ 603.00																										
SUBTOTAL =						\$ 603.00																										
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(f)).						\$ 0.00																										
TOTAL NATIONAL FEE =						\$ 603.00																										
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property +						\$ 0.00																										
TOTAL FEES ENCLOSED =						\$ 603.00																										
						Amount to be refunded: \$																										
						charged: \$																										
a. <input checked="" type="checkbox"/> A check in the amount of \$ <u>603.00</u> to cover the above fees is enclosed.																																
b. <input type="checkbox"/> Please charge my Deposit Account No. _____ in the amount of \$ _____ to cover the above fees. A duplicate copy of this sheet is enclosed.																																
c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. <u>161805</u> . A duplicate copy of this sheet is enclosed.																																
d. <input type="checkbox"/> Fees are to be charged to a credit card. WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.																																
NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137 (a) or (b)) must be filed and granted to restore the application to pending status.																																
SEND ALL CORRESPONDENCE TO: Seth D. Levy PILLSBURY WINTHROP LLP 725 South Figueroa Street Suite 2800 Los Angeles, CA 90017-5406 <div style="text-align: right; margin-top: 10px;">  SIGNATURE <u>Seth D. Levy</u> NAME <u>44869</u> REGISTRATION NUMBER </div>																																

10/511130

DT04 Rec'd PCT/PTO 3 OCT 2004
PATENT
0310832

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application
CONNOLLY, et al.

Group No.: Unassigned

Serial No.: Unassigned
Filed: October 13, 2004

Examiner: Unassigned

For: ***DNA POLYMERASES***

CERTIFICATE OF MAILING VIA U.S. EXPRESS MAIL

"Express Mail" Mailing Label No. EL 330 956 566 US

Date of Deposit: October 13, 2004

Mail Stop PCT/DO/EO/US
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:


I hereby certify that

- ☒ Letter of transmittal
- ☒ Preliminary Amendment
- ☒ Patent application (29 pages of specification; 27 claims; 1 pages of abstract)
- ☒ A check in the amount of \$603.00 to cover the filing fee
- ☒ 7 sheet of formal drawings
- ☒ Return postcard

are being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service with sufficient postage under 37 CFR 1.10 on the date indicated above and are addressed to:

Mail Stop PCT/DO/EO/US
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

October 13, 2004
Date of Deposit


James Swanson

10/511130

DT04 Rec'd PCT/PTO 13 OCT 2004

CERTIFICATION UNDER 37 C.F.R. §§ 1.8 and/or 1.10*

(When using Express Mail, the Express Mail label number is *mandatory*; Express Mail certification is *optional*.)

I hereby certify that, on the date shown below, this paper (along with any paper referred to as being attached or enclosed) is being deposited with the United States Postal Service "Express Mail Post Office to Addressee", Mailing Label No. EV 330956566 US, addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Date: October 13, 2004


Signature

JAMES SWANSON

(type or print name of person certifying)

* Only the date of filing (§ 1.6) will be the date used in a patent term adjustment calculation, although the date on any certificate of mailing or transmission under § 1.8 continues to be taken into account in determining timeliness. See § 1.703(f). Consider "Express Mail Post Office to Addressee" (§ 1.10) or facsimile transmission (§ 1.6(d)) for the reply to be accorded the earliest possible filing date for patent term adjustment calculations.